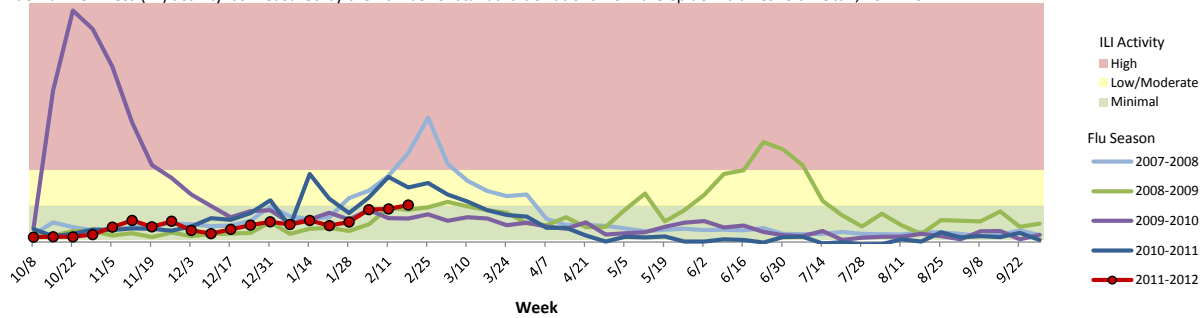


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



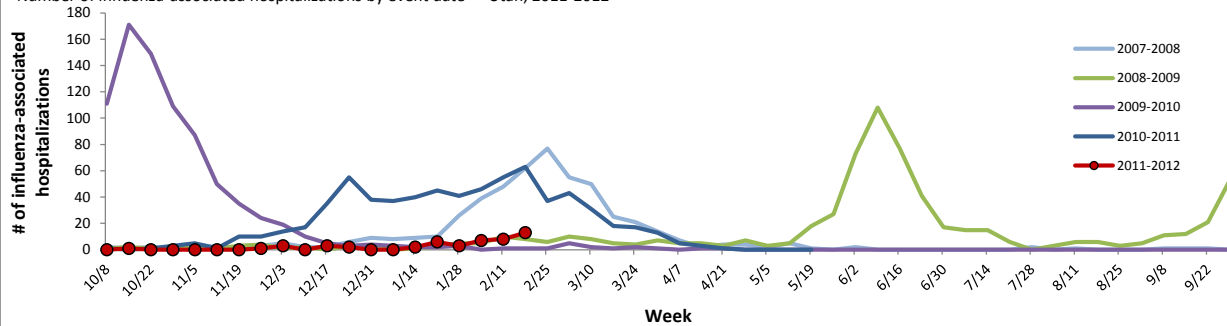
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Low/Moderate
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	27	55.1%	50.3%	0.5016
	Female	22	44.9%	49.7%	0.5016
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	37	75.5%	82.0%	0.2338
	Hispanic	6	12.2%	11.6%	0.8856
	Native Hawaiian/Pacific Islander	0	0.0%	0.7%	0.5633
	Black/African American	2	4.1%	0.9%	0.0218
	American Indian	0	0.0%	1.1%	0.4538
	Asian	4	8.2%	1.9%	0.0011
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	10	20.4%	3.7	3
5-24 years	7	14.3%	0.7	1
25-49 years	13	26.5%	1.3	6
50-64 years	12	24.5%	3.0	2
65+ years	7	14.3%	2.8	1
Total	49	100%	1.7	13

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	1
Central	3
Davis	2
Salt Lake	34
Southeastern	0
Southwest	1
Summit	1
Tooele	0
TriCounty	0
Utah	5
Wasatch	0
Weber-Morgan	2

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	11	22.4%	28	57.1%	10	20.4%
Ventilator	4	8.2%	35	71.4%	10	20.4%
Died	2	4.1%	37	75.5%	10	20.4%
Neurological Symptoms	4	8.2%	36	73.5%	9	18.4%
Healthcare Worker	1	2.0%	37	75.5%	11	22.4%
Pregnant	2	4.1%	44	89.8%	3	6.1%
Heart Disorder	6	12.2%	33	67.3%	10	20.4%
Blood Disorder	1	2.0%	36	73.5%	12	24.5%
Kidney Disorder	2	4.1%	38	77.6%	9	18.4%
Metabolic Disorder	10	20.4%	30	61.2%	9	18.4%
Chronic Respiratory Disorder	14	28.6%	25	51.0%	10	20.4%
Immunosuppressed	5	10.2%	35	71.4%	9	18.4%
Neurological Disorder	4	8.2%	36	73.5%	9	18.4%
Seizure Disorder	1	2.0%	39	79.6%	9	18.4%
Bacterial Co-infection	2	4.1%	38	77.6%	9	18.4%
Obese**	9	26.5%	12	35.3%	13	38.2%
Morbidly Obese**	1	2.9%	20	58.8%	13	38.2%
Risk Factor***	41	83.7%	8	16.3%	0	0.0%
Vaccinated	18	36.7%	17	34.7%	14	28.6%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	12	92.3%	45	91.8%
Probable**	1	7.7%	4	8.2%
Total	13	100.0%	49	100.0%

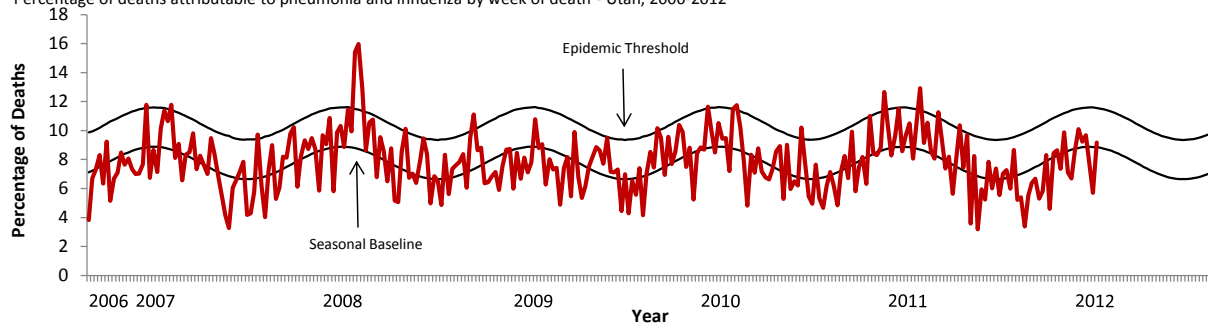
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

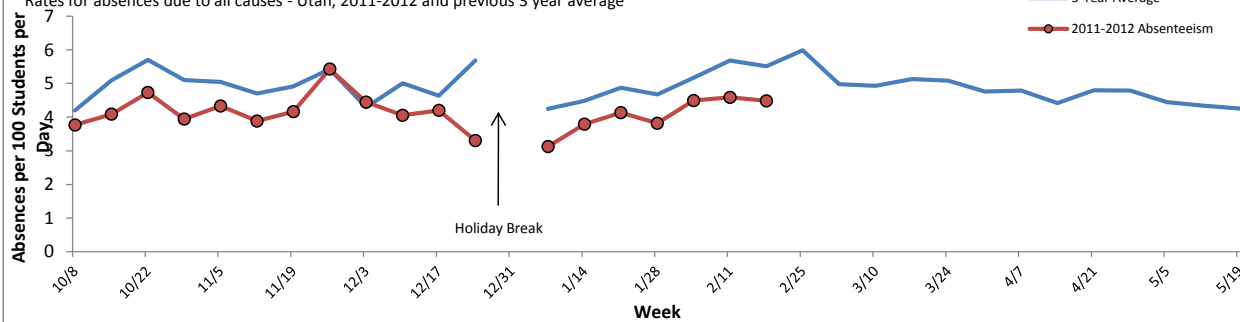
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.6
Central	4.8
Davis	3.3
Salt Lake	4.5
Southeast	5.7
Southwest	5.4
Summit	7.9
Tooele	6.4
TriCounty	3.6
Utah	2.5
Wasatch	5.7
Weber-Morgan	5.5
State	4.3

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	347	--	42	--
Positive specimens	131	37.8%	29	69.0%
Positive Specimens by Type/Subtype				
Influenza A	126	96.2%	29	100.0%
A (2009 H1N1)	86	68.3%	25	86.2%
A (H1)	0	0.0%	0	0.0%
A (H3)	40	31.7%	4	13.8%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	5	3.8%	0	0.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

